

# COMPUTATION OF ASTRONOMIC AZIMUTH BY THE HASTY ASTRO METHOD (FED MSR)

For use of this form, see FM 6-2; the proponent agency is TRADOC.

COMPUTER:	NOTEBOOK REFERENCE:	DATE:
CHECKER:	AREA:	SHEET      OF      SHEETS
INSTRUCTIONS	NOTES	
1. Select SURVEY CALC (option B) from the MODE MENU. 2. Select HASTY ASTRO (SUN) (option G) or STAR (option H) from the SURVEY CALCULATIONS MENU. 3. Select the desired record from the HASTY ASTRO SUN/STAR SUMMARY LIST. 4. Observe the required fields, and enter the desired data.	1. Press ENTER to display the window of legal entries. 2. Enter field data in blocks marked ► . 3. Remove window of legal entries by pressing ENTER before pressing the C key to calculate. 4. Two observation computations can be recorded on this form.	
REQUIRED FIELDS	DATA RECORD	
ENTER NAME OBS STATION: ?	NAME OBS STATION:	NAME OBS STATION:
ENTER EAST OBS STATION: ?	EASTING OBS STATION:	EASTING OBS STATION:
ENTER NORTH OBS STATION: ?	NORTHING OBS STATION:	NORTHING OBS STATION:
ENTER APPROX AZ TO AZMK: ?	APPROX AZ TO AZMK:	APPROX AZ TO AZMK:
ENTER SPHEROID CODE/NAME: ?  1=CLARKE 1866 2=INTERNATIONAL 3=CLARKE 1880 4=EVEREST 5=BESSEL 6=AUSTRALIAN 7=WGS-72 8=GRS-80	SPHEROID:	SPHEROID:
REQUIRED FIELDS	DATA RECORD	
HEMISPHERE (N/S): ?	ENTER N or S	ENTER N or S
ENTER GRID ZONE: ?	GRID ZONE:	GRID ZONE:
ENTER/STAR NO/NAME: ?	STAR NO:      STAR NAME:	STAR NO:      STAR NAME:
DAYLT SAVINGS TIME (Y/N): ?	ENTER Y or N	ENTER Y or N
ENTER TIME ZONE LETTER: ?	TIME ZONE LETTER:	TIME ZONE LETTER:
USE TIME MODULE (Y/N): ?	ENTER Y or N	ENTER Y or N
ENTER/RECORD OBS DATE: ?	DATE: dd mm yy	DATE: dd mm yy
ENTER/RECORD OBS 1 TIME: ?	TIME: hh mm ss	TIME: hh mm ss
ENTER OBS 1 POSITION A=TRAILING EDGE AT TIP: ? B=LEADING EDGE C=CENTER	ENTER A, B, or C:	ENTER A, B, or C:
ENTER/RECORD OBS 2 TIME: ?	TIME: hh mm ss	TIME: hh mm ss
ENTER OBS 2 POSITION A=TRAILING EDGE AT TIP: ? B=LEADING EDGE C=CENTER	ENTER A, B, or C:	ENTER A, B, or C:
RECORD GRID AZIMUTH:	GRID AZIMUTH:	GRID AZIMUTH:
RECORD CHECK ANGLE:	CHECK ANGLE:	CHECK ANGLE:
REMARKS:		

## ALPHABETICAL STAR LIST

STAR NAME	NO	MAG	STAR NAME	NO	MAG	STAR NAME	NO	MAG
ACAMAR	12	3.4	CAPH	2	2.4	MIRFAK	14	1.9
ACHERNAR	9	0.5	CASTOR	28	1.5	MIZAR	46	2.4
ACRUX	42	1.0	DENEBO	68	1.3	NUNKI	65	2.1
ADHARA	26	1.6	DENEBOLA	39	2.2	NU	69	3.7
ALDEBARAN	15	1.1	DIPHDA	6	2.2	PEACOCK	67	2.1
ALHENA	24	1.9	DSCHUBBA	56	2.5	PHECDA	40	2.5
ALIOTH	45	1.7	DUBHE	38	1.9	POLARIS	10	2.1
ALKAIT	48	1.9	ELNATH	19	1.8	POLLUX	30	1.2
AL NA 'IR	71	2.2	ELTANIN	62	2.4	PROCYON	29	0.5
ALNILAM	20	1.7	ENIF	70	2.5	RASALHAGUE	51	2.1
ALNITAK	21	2.0	FORMALHAUT	72	1.3	REGULUS	35	1.3
ALPHARD	35	2.2	GACRUX	43	1.6	RIGEL	16	0.3
ALPHECCA	55	2.3	GAMMA CASSIOPEIAE	7	1.6-2.8	RIGIL KENTAURUS	52	0.1
ALPHERATZ	1	2.1	GAMMA VELORUM	31	1.9	RUCHBUH	8	2.8
ALTAIR	66	0.9	GIENAH	41	2.8	SABIK	59	2.6
ANKAA	4	2.4	HADAR	49	0.8	SCAULA	60	1.7
ANTARES	57	1.2	HAMAL	11	2.2	SCHEDAR	5	2.3
ARCTURUS	51	0.2	KAUS ASTRALIS	63	1.9	SIRIUS	25	-1.6
ATRIA	58	1.9	KOCHAB	54	2.2	SPICA	47	1.2
AVOIR	32	1.7	MARKAB	73	2.6	SUHAIL	33	2.2
BELLATRIX	18	1.7	MENKAR	13	2.8	VEGA	64	0.1
BETA HYDRUS	3	2.9	MENKENT	50	2.3	WEZEN	27	2.0
BETELGEUSE	22	0.1	MEPAK	37	2.4	ZEBENELGENUBI	53	2.9
CANOPUS	23	-0.9	MISPLACIDUS	34	1.8			
CAPELLA	17	0.2	MIMOSA	44	1.5			

REMARKS: